











QY 59 AYEYENQAFNIT-SQITFYKYERHILKQIQGLDQARYTAFELFOETQYTPMKDKIAF 117  
 DB 79 HVMHQZQISFLPSSSEAAANNKTLDDGLQGLDQARYTAFELFOETQYTPMKDKIAF 131  
 QY 118 NEMKPEARVQSLSELRKYRHYRDNFKLKKYSQCAWETVVRIRCLYF 168  
 DB 132 -----SQAIGSPATLRTVQIGRIVYLKRYKYSQCAWETVVRIRCLYF 176  
 RESULT 11  
 US-09-206-935-16  
 : Sequence 16, Application US/09206935  
 : Patent No. 6104145  
 : GENERAL INFORMATION:  
 : APPLICANT: Olsen, et al.  
 : TITLE REFERENCE: P404  
 : CURRENT APPLICATION NUMBER: US/09/205,264  
 : CURRENT FILING DATE: 1998-12-02  
 : EARLIER FILING DATE: 1997-12-05  
 : NUMBER OF SEQ ID NOS: 9  
 : SOFTWARE: Patent Ver. 2.0  
 : SEQ ID NOS: 1-9  
 : LENGTH: 162  
 : TYPE: PRT  
 : ORGANISM: Homo sapiens  
 US-09-206-935-16

Query Match 24.1% Score 231.5; DB 3; Length 162;  
 Best Local Similarity 34.2%; Pred. No. 5.6e-17;  
 Matches 59; Conservative 25; Mismatches 4;

QY 3 CILANLWV-LRVYTKNQHLHSSNSFWELKRYRNTAFELFOETQYTPMKDKIAF 60  
 DB 1 CILPQWHLKSNLTVLLHQRHIS--PFLCKRRREFRQVSGQAKHNSVYL 57  
 QY 1 YNGLQAFNIT-SQITFYKYERHILKQIQGLDQARYTAFELFOETQYTPMKDKIAF 119  
 DB 79 HVMHQZQISFLPSSSEAAANNKTLDDGLQGLDQARYTAFELFOETQYTPMKDKIAF 131  
 QY 120 MKPSEARVQSLSELRKYRHYRDNFKLKKYSQCAWETVVRIRCLYF 168  
 DB 109 ----SQAIGSPATLRTVQIGRIVYLKRYKYSQCAWETVVRIRCLYF 176

RESULT 12  
 US-09-206-935-16  
 : Sequence 16, Application US/09206935  
 : Patent No. 629877  
 : GENERAL INFORMATION:  
 : APPLICANT: Chen Jian  
 : TITLE REFERENCE: P404  
 : CURRENT APPLICATION NUMBER: US/09/206,935  
 : CURRENT FILING DATE: 1998-12-07  
 : EARLIER FILING DATE: 1998-05-04  
 : NUMBER OF SEQ ID NOS: 24  
 : SOFTWARE: Patent Ver. 2.0  
 : SEQ ID NOS: 1-24  
 : LENGTH: 189  
 : TYPE: PRT  
 : ORGANISM: Homo sapiens  
 US-09-206-935-16

Query Match 24.1% Score 231.5; DB 4; Length 189;  
 Best Local Similarity 34.2%; Pred. No. 5.6e-17;

Matches 65; Conservative 18; Mismatches 74; Indels 33; Gaps 5;  
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 DB 22 LDCNLNLWV-LRVYTKNQHLHSSNSFWELKRYRNTAFELFOETQYTPMKDKIAF 77  
 QY 58 AYEYENQAFNIT-SQITFYKYERHILKQIQGLDQARYTAFELFOETQYTPMKDKIAF 117  
 DB 79 HVMHQZQISFLPSSSEAAANNKTLDDGLQGLDQARYTAFELFOETQYTPMKDKIAF 131  
 QY 118 NEMKPEARVQSLSELRKYRHYRDNFKLKKYSQCAWETVVRIRCLYF 168  
 DB 132 -----SQAIGSPATLRTVQIGRIVYLKRYKYSQCAWETVVRIRCLYF 176  
 RESULT 13  
 US-09-206-936-15  
 : Sequence 16, Application US/09206936A  
 : Patent No. 6300475  
 : GENERAL INFORMATION:  
 : APPLICANT: Wood, William I.  
 : TITLE OF INVENTION: No. 6300475el Interferon  
 : REFERENCE: P1224H1  
 : CURRENT APPLICATION NUMBER: US/09/206,936A  
 : CURRENT FILING DATE: 1998-12-07  
 : EARLIER APPLICATION NUMBER: US 60/067,897  
 : EARLIER FILING DATE: 1998-12-08  
 : NUMBER OF SEQ ID NOS: 22  
 : SEQ ID NO 16  
 : LENGTH: 189  
 : TYPE: PRT  
 : ORGANISM: Homo sapiens  
 US-09-206-936-15

Query Match 24.1% Score 231.5; DB 4; Length 189;  
 Best Local Similarity 34.2%; Pred. No. 5.6e-17;  
 Matches 65; Conservative 18; Mismatches 74; Indels 33; Gaps 5;

QY 1 LDCNLNLWV-LRVYTKNQHLHSSNSFWELKRYRNTAFELFOETQYTPMKDKIAF 57  
 DB 22 LDCNLNLWV-LRVYTKNQHLHSSNSFWELKRYRNTAFELFOETQYTPMKDKIAF 77  
 QY 58 AYEYENQAFNIT-SQITFYKYERHILKQIQGLDQARYTAFELFOETQYTPMKDKIAF 117  
 DB 79 HVMHQZQISFLPSSSEAAANNKTLDDGLQGLDQARYTAFELFOETQYTPMKDKIAF 131  
 QY 118 NEMKPEARVQSLSELRKYRHYRDNFKLKKYSQCAWETVVRIRCLYF 168  
 DB 132 -----SQAIGSPATLRTVQIGRIVYLKRYKYSQCAWETVVRIRCLYF 176

RESULT 14  
 US-08-438-7538-12  
 : Sequence 12, Application US/08438753B  
 : Patent No. 635333  
 : GENERAL INFORMATION:  
 : APPLICANT: Imakawa, Kazuhito  
 : TITLE OF INVENTION: Interferon Tau Compositions and Methods of Use  
 : REFERENCE: P1224H1  
 : NUMBER OF SEQUENCES: 1  
 : CORRESPONDENCE ADDRESS:  
 : ADDRESSEE: Dehlinger & Associates  
 : STREET: 350 Cambridge Ave., Suite 250

CITY: Palo Alto  
STATE: CA  
COUNTRY: USA  
ZIP: 94306

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
FILE NAME: 01-000001-0001  
OPERATING SYSTEM: COMPASS-POS  
SOFTWARE: Patent release #1.0, Version #1.25

CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/438,753B  
APPLICATION NUMBER: 438,753B  
CLASSIFICATION: 435

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/039,891  
APPLICATION NUMBER: 039,891  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/07847,741  
APPLICATION NUMBER: 07,847,741  
FILING DATE: 09-MAR-1992  
PRIORITY DATE: 09-MAR-1992  
PRIORITY NUMBER: US/07318,050  
PRIORITY DATE: 07-MAR-1989  
FILING DATE: 07-MAR-1989

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/07965,980  
APPLICATION NUMBER: 07,965,980  
FILING DATE: 09-OCT-1997  
FILING DATE: 09-OCT-1997

ATTORNEY/AGENT INFORMATION:  
NAME: Spoltz, Charles K.  
FIRM: Spoltz, Charles K.  
REFERENCE/DOCKET NUMBER: 5600-0001.30

TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415-324-0880  
FAX: 415-324-0880  
TELETYPE: 415-324-0880  
FACSIMILE: 415-324-0880

SEQUENCE CHARACTERISTICS:  
LENGTH: 195 amino acids  
TYPE: amino acid  
MOLECULE TYPE: protein

ORIGINAL SOURCE:  
ORGANISM: HUMAN  
TISSUE: BLOOD  
CELL TYPE: LYMPHOCYTES  
CELL CULTURE: YES  
CELL STRAIN: 12  
CELL SOURCE: 12

ORIGINAL ISOLATE: predicted amino acid coding  
ORIGINAL ISOLATE: of 5602 to 5611 amino acids  
ORIGINAL ISOLATE: 5602-5611

09-18-7338-12

[illegible]

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RESULT 15
US-08-249-671A-9
: Sequence 9, Application US/08249671A
: Patent No. 5710027ON:
: GENE CONSTRUCTION:
: APPLICANT: Hauptmann, R.
: APPLICANT: Falkner, E.
: APPLICANT: Bodo, G.
: APPLICANT: Voa, T., Fogy, I.
: APPLICANT: Winkler, M.
: TITLE OF INVENTION: process for Preparing and Purifying
: alpha-interferon

```

NUMBER OF SEQUENCES: 11  
CORRESPONDENCE ADDRESS:  
ADDRESS: Pharmen Research, Goldstein & Fox P.L.L.C.  
CITY: Washington  
STATE: D.C.  
COUNTRY: U.S.A.  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
SOFTWARE: SYSTEMS BIOS/MS-DOS  
SOFTWARE RELEASE: 1.0, Version #1.25 (RPO)  
CURRENT APPLICATION DATA:  
APPLICANT APPLICATION DATA: US/08/749,671A  
FILING DATE: 26 May 1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Esmond, Robert W.  
REGISTRATION NUMBER: 32,693  
TELEPHONE: (202) 371-2540  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (202) 371-2600  
TELEFAX: (202) 371-2540  
INFORMATION: (202) 371-2540  
SEQUENCE CHARACTERISTICS: 9  
LENGTH: 195 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
NON-REPEATING TYPE: protein  
US

[illegible]

Search completed: March 3, 2002, 16:58:13  
Job time: 3505 sec



6 MIOKLEILKMGITAGTSLDCLL-----NYHARVYQWHLRSLNSKSPFVPC 58  
 1 MTNCLLTALLCFSTALSXYNLGLQSRNSPQCKLLAQ-----LNGRLCYC 52  
 59 LRENIATPELQYTOPMKDKKAFYKSLQAFNFSQHPFY-KHERILKQIQGL 117  
 53 LAQNMDFDPEIKQLOQKQEDAAITVEMQNTAFIPQSSSTGNMTIVENLLAY 112  
 118 DQOATYLNCLDEENDEENDEENDEENKMFSEARVPSLSLELRIPHRINDLKKRY 177  
 113 YHQNILKATVLEER-KLEKDF-----TRKLSLSLLARYGRIILARYLKKRY 159  
 178 SCQATVIVRVEIRCLVYFKEFALER 204  
 160 SHCATIVVRLNRYFIRNLTGTLR 186

# RESULTS

US-05-106-903A-9  
 : Sequence 9, Application US/09206903A  
 : Patent No. 6200780  
 : GENERAL INFORMATION:  
 : APPLICANT: Godowski, Paul J.  
 : APPLICANT: Wood, William I.  
 : APPLICANT: Zhang, Dong-Xiao  
 : FILING REFERENCE: P1224-261  
 : CURRENT APPLICATION NUMBER: US/09206, 903A  
 : CURRENT FILING DATE: 1998-12-07  
 : PRIOR FILING DATE: 1998-10-30  
 : NUMBER OF SEQ ID NOS: 12  
 : SEQ ID NO 9  
 : SEQ ID NO 9  
 : TYPE: PRT  
 : ORGANISM: Homo sapiens  
 : US-09-106-903A-9

Query Match 22.5%; Score 246.5; DB 4; Length 187;  
 Best Local Similarity 32.9%; Pred. No. 9e-19;  
 Matches 68; Conservative 26; Mismatches 84; Indels 29; Gaps 5;

6 MIOKLEILKMGITAGTSLDCLL-----NYHARVYQWHLRSLNSKSPFVPC 58  
 1 MTNCLLTALLCFSTALSXYNLGLQSRNSPQCKLLAQ-----LNGRLCYC 52  
 59 LRENIATPELQYTOPMKDKKAFYKSLQAFNFSQHPFY-KHERILKQIQGL 117  
 53 LAQNMDFDPEIKQLOQKQEDAAITVEMQNTAFIPQSSSTGNMTIVENLLAY 112  
 118 DQOATYLNCLDEENDEENDEENDEENKMFSEARVPSLSLELRIPHRINDLKKRY 177  
 113 YHQNILKATVLEER-KLEKDF-----TRKLSLSLLARYGRIILARYLKKRY 159  
 178 SCQATVIVRVEIRCLVYFKEFALER 204  
 160 SHCATIVVRLNRYFIRNLTGTLR 186

# RESULTS

US-08-006-030A-30  
 : Sequence 30, Application US/09406030A  
 : Patent No. 6270949  
 : GENERAL INFORMATION:  
 : APPLICANT: Treco, Douglas A.  
 : APPLICANT: MacLennan, Michael W.  
 : APPLICANT: Selden, Richard F.  
 : TITLE OF INVENTION: Protein Production and Delivery  
 : NUMBER OF SEQUENCES: 30

CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.  
 STREET: Two Millis Drive  
 CITY: Millis  
 STATE: Massachusetts  
 COUNTRY: USA  
 ZIP: 02175  
 COMMUNICATIONS FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 RELEASE DATE: 1998-12-07, Version 11.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/406, 030A  
 FILING DATE: 17-MAR-1995  
 PRIOR APPLICATION DATA:  
 PRIOR APPLICATION NUMBER: US 08/243,391  
 FILING DATE: 13-MAY-1994  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/985,586  
 FILING DATE: 03-DEC-1992  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/911,553  
 FILING DATE: 03-JUL-1992  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/787,840  
 FILING DATE: 05-NOV-1991  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/789,188  
 FILING DATE: 05-NOV-1991  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: PCT/US93/11704  
 FILING DATE: 02-DEC-1993  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: PCT/US92/09627  
 FILING DATE: 02-DEC-1992  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Granahan, Patricia  
 REGISTRATION NUMBER: 32,227  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (617) 861-6240  
 TELEFAX: (617) 861-9540  
 INVENTOR INFORMATION:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 187 amino acids  
 TYPE: amino acid  
 MOLECULE TYPE: Protein  
 US-08-006-030A-30

Query Match 22.5%; Score 246.5; DB 4; Length 187;  
 Best Local Similarity 32.9%; Pred. No. 9e-19;  
 Matches 68; Conservative 26; Mismatches 84; Indels 29; Gaps 5;

6 MIOKLEILKMGITAGTSLDCLL-----NYHARVYQWHLRSLNSKSPFVPC 58  
 1 MTNCLLTALLCFSTALSXYNLGLQSRNSPQCKLLAQ-----LNGRLCYC 52  
 59 LRENIATPELQYTOPMKDKKAFYKSLQAFNFSQHPFY-KHERILKQIQGL 117  
 53 LAQNMDFDPEIKQLOQKQEDAAITVEMQNTAFIPQSSSTGNMTIVENLLAY 112  
 118 DQOATYLNCLDEENDEENDEENDEENKMFSEARVPSLSLELRIPHRINDLKKRY 177  
 113 YHQNILKATVLEER-KLEKDF-----TRKLSLSLLARYGRIILARYLKKRY 159  
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 160 SHCATIVVRLNRYFIRNLTGTLR 186



Query Match 22.58; Score 246.5; DB 6; Length 187;  
 Best Local Similarity 32.9%; Pred. No. 9e-19;  
 Matches 68; Conservative 46; Mismatches 84; Indels 29; Gaps 5;  
 Length: 187

Query Match 22.58; Score 246.5; DB 6; Length 187;  
 Best Local Similarity 32.9%; Pred. No. 9e-19;  
 Matches 68; Conservative 46; Mismatches 84; Indels 29; Gaps 5;  
 Length: 187

Query Match 22.58; Score 246.5; DB 6; Length 187;  
 Best Local Similarity 32.9%; Pred. No. 9e-19;  
 Matches 68; Conservative 46; Mismatches 84; Indels 29; Gaps 5;  
 Length: 187

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 Matches 68; Conservative 46; Mismatches 84; Indels 29; Gaps 5;  
 Length: 187

Query Match 22.58; Score 246.5; DB 6; Length 187;  
 Best Local Similarity 32.9%; Pred. No. 9e-19;  
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 Length: 187

Query Match 22.44; Score 245.5; DB 3; Length 187;  
 Best Local Similarity 32.9%; Pred. No. 1.2e-18;  
 Matches 68; Conservative 29; Mismatches 84; Indels 29; Gaps 5;  
 Length: 187

Query Match 22.44; Score 245.5; DB 3; Length 187;  
 Best Local Similarity 32.9%; Pred. No. 1.2e-18;  
 Matches 68; Conservative 29; Mismatches 84; Indels 29; Gaps 5;  
 Length: 187

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 Matches 68; Conservative 29; Mismatches 84; Indels 29; Gaps 5;  
 Length: 187

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 Matches 68; Conservative 29; Mismatches 84; Indels 29; Gaps 5;  
 Length: 187

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 Length: 187

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 Best Local Similarity 32.9%; Pred. No. 1.2e-18;  
 Matches 68; Conservative 29; Mismatches 84; Indels 29; Gaps 5;  
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 Length: 187

Query Match 22.44; Score 245.5; DB 3; Length 187;  
 Best Local Similarity 32.9%; Pred. No. 1.2e-18;  
 Matches 68; Conservative 29; Mismatches 84; Indels 29; Gaps 5;  
 Length: 187

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2  COUNTRY: U.S.A.
3  ZIP: 20005
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5  MEDIUM TYPE: 5.25" disk
6  OPERATING SYSTEM: PC-DOS/MS-DOS
7  CURRENT APPLICATION NUMBER: 1.0.0, Version #1.25 (EPO)
8  CURRENT APPLICATION DATE: 26-May-1994
9  FILING DATE: 26-May-1994
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98  FILING DATE: 26-May-1994
99  FILING DATE: 26-May-1994
100 FILING DATE: 26-May-1994

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; SEQ ID NO 23
; LENGTH: 195
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-206-935-23

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Query Match      21.5%  Score 238.5  DB 4:  Length 189;
Best Local Similarity 32.7%  Pred. No. 1.2e-17;
Matches 61; Conservative 25; Mismatches 67; Indels 19; Gaps 4;

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Db 21 SLC6D1LAWH--LRTVYQWHLHLSNSNSFVCLRENIATFPLQVETQYQPKRDIK 83
Oy 84 KAFYENSILQNF--SOHTFYKWKERHLAGIQIGDQAQETLAQCLDEENENDEMKK 142
Db 21 SLC6D1LAWH--LRTVYQWHLHLSNSNSFVCLRENIATFPLQVETQYQPKRDIK 83
Oy 143 ENEMKFSYDQVPSLUSLRYTHIRIDINLEKKYSIDCAKIVVYVETRLCY 194
Db 21 SLC6D1LAWH--LRTVYQWHLHLSNSNSFVCLRENIATFPLQVETQYQPKRDIK 83
Oy 132 -----SAGALSSPALTLRYTQGIHVLTKKYSIDCAKIVVYVETRLCY 176
Db 21 SLC6D1LAWH--LRTVYQWHLHLSNSNSFVCLRENIATFPLQVETQYQPKRDIK 83

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RESULT 14
US-09-206-935-16
; Sequence 16, Application US/09206935
; Patent No. 6299877
; ORGANISM: Homo sapiens
; APPLICANT: Chen, Jjian
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: NOVEL TYPE 1 INTERFERONS
; FILE REFERENCE: 11669,500S05
; CURRENT APPLICATION NUMBER: US/09/206,935
; EARLIER FILING DATE: 1998-05-04
; EARLIER APPLICATION NUMBER: 60/084,045
; NUMBER OF SEQ ID NOS: 24
; SEQ ID NO 16
; LENGTH: 189
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-206-935-16

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Query Match      21.5%  Score 236, DB 4:  Length 189;
Best Local Similarity 32.7%  Pred. No. 1.2e-17;
Matches 67; Conservative 23; Mismatches 79; Indels 36; Gaps 6;

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Oy 69 QFTQYQWPKRDIKKAFTDGLQAPNFS--OHTFYKWKERHLAGIQIGDQAQETLAQ 127
Db 63 QEEFDGQFOQAQIVSLHDMQGTFLNFTSKNSAANDFTLEKFTYELFQWMDLEAC 122
Oy 128 -----LEEDSNENDEMKENKFSSEARVPQSLSELRVYTHIRIDINLEKKYSIDCA 181
Db 123 VIQGVGVETPLANNED-----SILAVKVFORTLYLMKKYSPCA 163
Oy 182 MYVYVETRLCYVETPLFRK 206
Db 164 MYVYVETRLCYVETPLFRK 188

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RESULT 15
US-09-206-936-16
; Sequence 16, Application US/09206936
; Patent No. 6300475

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; GENERAL INFORMATION:
; APPLICANT: Chen, Jjian
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: No. 6300475e) Interferon
; FILE REFERENCE: 11669,500S05
; CURRENT APPLICATION NUMBER: US/09/206,936A
; EARLIER FILING DATE: 1998-12-07
; EARLIER APPLICATION NUMBER: US 60/067,897
; EARLIER FILING DATE: 1998-12-08
; NUMBER OF SEQ ID NOS: 22
; SEQ ID NO 16
; LENGTH: 189
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-206-936-16

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Query Match      21.5%  Score 236, DB 4:  Length 189;
Best Local Similarity 32.7%  Pred. No. 1.2e-17;
Matches 67; Conservative 23; Mismatches 79; Indels 36; Gaps 6;
Oy 15 TLKQIFI---AGTSLQCNLAWHL---RYVWQWHLHLSNSNSFVCLRENIATFPL 68
Db 7 LMAALVYISCKSSGCLNCSQTHSLNNR---TLMALQWRRISFSCLDKRDIFEP 62
Oy 69 QFTQYQWPKRDIKKAFTDGLQAPNFS--OHTFYKWKERHLAGIQIGDQAQETLAQ 127
Db 63 QEEFDGQFOQAQIVSLHDMQGTFLNFTSKNSAANDFTLEKFTYELFQWMDLEAC 122
Oy 128 -----LEEDSNENDEMKENKFSSEARVPQSLSELRVYTHIRIDINLEKKYSIDCA 181
Db 123 VIQGVGVETPLANNED-----SILAVKVFORTLYLMKKYSPCA 163
Oy 182 MYVYVETRLCYVETPLFRK 206
Db 164 MYVYVETRLCYVETPLFRK 188

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Search completed: March 3, 2002, 16:58:12  
Job Time: 3504 sec

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; SEQ ID NO 23
; LENGTH: 195
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-206-935-23

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Query Match      21.7%  Score 238.5; DB 4; Length 195;
Best Local Similarity 32.7%; Pred. No. 6.5e-16;
Matches 67; Conservative 25; Mismatches 67; Indels 19; Gaps
6;

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Oy 27 SLXNCLNVH--LARTVWNLRLHSSNSGSPVCLRNIAFLRQFLQYQKRBIX 84
Db 21 SLQSLPQWNLSSNTLVTLHWRRTS---PFLCLGRDQFRFVSNVAGSGLKAWW 77
Oy 85 KAFTEINSQAQNF--SQUTKYTKYKRIHLKQIQGLQQAQYELNQLDLEEDNENDEMK 143
Db 78 SVLHNSLQIQSLVHRTSSAANNWTLQHTLQQLQYELTCTLLQVYGEDE----- 131
Oy 144 ENHMFSEARVPQSLSLRLRYPHRIDNLEKRYSCAMETVLRERCLY 195
Db 132 -----SQAITSPPALITAFQGITVLRKNTVLRKNTVLRKNTVLRKNTVLRK 176

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RESULT 14
; Sequence 16; Application US/09206935
; Patent No. 6398977
; GENERAL INFORMATION:
; APPLICANT: Wood, William I.
; APPLICANT: Godowski, Paul
; APPLICANT: Wang, Dongxiao
; FILE REFERENCE: 11669.50US05
; CURRENT APPLICATION NUMBER: US/09/206,935
; EARLIER APPLICATION NUMBER: 60/094,045
; EARLIER FILING DATE: 1998-05-04
; NUMBER OF SEQ ID NOS: 24
; SEQ ID NO 16
; LENGTH: 189
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-206-935-16

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Query Match      21.4%  Score 236; DB 4; Length 189;
Best Local Similarity 32.7%; Pred. No. 1.1e-17;
Matches 67; Conservative 21; Mismatches 79; Indels 36; Gaps
6;
Oy 16 TLMTITF---AGTSLDCLNLAHLV---RYVWNLRLHSSNSGSPVCLRNIAFLR 69
Db 7 LMAALVYLSCSSGLCNLSQTHSLNRR-----TLMAQMRHSFSPCLADRHDFEP 62
Oy 70 QFLQYQTPMRKRIKATFNSLQAPNIFS--QUTKYTKYKRIHLKQIQGLQQAQYELN 128
Db 63 QEEFDQCFQQAQISVLRHMWQOTFNESTKNSAAMDTELLRKYFLQPMQMLEAC 122
Oy 129 -----LEEDNENDEMKENMFSEARVPQSLSLRLRYPHRIDNLEKRYSCA 182
Db 123 YIQVQVVEETPLANNED-----SLAVKTYQRTITLYLMKKYSKCA 163

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; Sequence 16; Application US/09206935
; Patent No. 6398977
; GENERAL INFORMATION:
; APPLICANT: Wood, William I.
; APPLICANT: Godowski, Paul
; APPLICANT: Wang, Dongxiao
; FILE REFERENCE: 11669.50US05
; CURRENT APPLICATION NUMBER: US/09/206,935
; EARLIER APPLICATION NUMBER: 60/094,045
; EARLIER FILING DATE: 1998-05-04
; NUMBER OF SEQ ID NOS: 24
; SEQ ID NO 16
; LENGTH: 189
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-206-935-16

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```

Query Match      21.4%  Score 236; DB 4; Length 189;
Best Local Similarity 32.7%; Pred. No. 1.1e-17;
Matches 67; Conservative 21; Mismatches 79; Indels 36; Gaps
6;

```

```

Oy 16 TLMTITF---AGTSLDCLNLAHLV---RYVWNLRLHSSNSGSPVCLRNIAFLR 69
Db 7 LMAALVYLSCSSGLCNLSQTHSLNRR-----TLMAQMRHSFSPCLADRHDFEP 62
Oy 70 QFLQYQTPMRKRIKATFNSLQAPNIFS--QUTKYTKYKRIHLKQIQGLQQAQYELN 128
Db 63 QEEFDQCFQQAQISVLRHMWQOTFNESTKNSAAMDTELLRKYFLQPMQMLEAC 122
Oy 129 -----LEEDNENDEMKENMFSEARVPQSLSLRLRYPHRIDNLEKRYSCA 182
Db 123 YIQVQVVEETPLANNED-----SLAVKTYQRTITLYLMKKYSKCA 163
Oy 183 MEYVRAEIMHSLSFSTNQLKRLRK 207
Db 164 MEYVRAEIMHSLSFSTNQLKRLRK 188

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RESULT 15
; Sequence 16; Application US/09206936
; Patent No. 630475

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; GENERAL INFORMATION:
; APPLICANT: Wood, William I.
; APPLICANT: Chao, Jian
; TITLE OF INVENTION: No. 6300479el Interferon
; CURRENT APPLICATION NUMBER: US/09/206,936A
; CURRENT FILING DATE: 1998-12-07
; EARLIER APPLICATION NUMBER: US 60/067,897
; EARLIER FILING DATE: 1998-12-06
; NUMBER OF SEQ ID NOS: 22
; SEQ ID NO 16
; LENGTH: 189
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-206-936-16

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```

Query Match      21.4%  Score 236; DB 4; Length 189;
Best Local Similarity 32.7%; Pred. No. 1.1e-17;
Matches 67; Conservative 21; Mismatches 79; Indels 36; Gaps
6;

```

```

Oy 16 TLMTITF---AGTSLDCLNLAHLV---RYVWNLRLHSSNSGSPVCLRNIAFLR 69
Db 7 LMAALVYLSCSSGLCNLSQTHSLNRR-----TLMAQMRHSFSPCLADRHDFEP 62
Oy 70 QFLQYQTPMRKRIKATFNSLQAPNIFS--QUTKYTKYKRIHLKQIQGLQQAQYELN 128
Db 63 QEEFDQCFQQAQISVLRHMWQOTFNESTKNSAAMDTELLRKYFLQPMQMLEAC 122
Oy 129 -----LEEDNENDEMKENMFSEARVPQSLSLRLRYPHRIDNLEKRYSCA 182
Db 123 YIQVQVVEETPLANNED-----SLAVKTYQRTITLYLMKKYSKCA 163
Oy 183 MEYVRAEIMHSLSFSTNQLKRLRK 207
Db 164 MEYVRAEIMHSLSFSTNQLKRLRK 188

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Search completed: March 3, 2002, 16:58:12
Job time: 3504 sec

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: FILING DATE: 27-OCT-1980  
 : SEQ ID NO:1:  
 : LENGTH: 187  
 5514567-1

Query Match 22 34; Score 246.5; DB 6; Length 187;  
 Best Local Similarity 32.94; Pred. No. 1,le-18;  
 Matches 68; Conservative 26; Mismatches 84; Indels 29; Gaps 5;  
 OY 7 MIOCKWLEIIMGIFATIGLSICNLL-----NWLRVYVWNLHSLSSNSPVC 59  
 DB 1 MTKWLOIALLCFSTALSNSYLLGLOFSSNFOCKLLAQ-----LNGREVC 52  
 OY 60 LKRNATFELPELQYQOMKDKKAFYNSLQATNSQYTFKY WEHRLKQIQGL 118  
 DB 53 LKRNATFELPELQYQOMKDKKAFYNSLQATNSQYTFKY WEHRLKQIQGL 118  
 OY 119 DQAKNFDIPEELQYQOMKDKKAFYNSLQATNSQYTFKY WEHRLKQIQGL 178  
 DB 113 YHOLNKLATVLEE-KLEKEDF-----TRKLNSSJHARYGRLTAAKEY 159  
 OY 179 SCWAMTVVRVRLNRYFVFNLTGYLR 205  
 DB 160 SCWAMTVVRVRLNRYFVFNLTGYLR 186

RESULT 8  
 US-08-912-768-3  
 : Sequence 3, Application US/08912768  
 : Patent No. 6127332  
 : OTHER INFORMATION:  
 : APPLICANT: Goetz, Susan E  
 : APPLICANT: Cate, Richard L  
 : APPLICANT: Pepinsky, Blake R  
 : APPLICANT: Chien, Ching-Chang  
 : TITLE OF INVENTION: NO 6127332el Mutaisis of IFN-beta  
 : NUMBER OF SEQUENCES: 5  
 : CORRESPONDENCE ADDRESS: Haley, Jr  
 : STREET: Fish & Neave, 1251 Avenue of the Americas  
 : CITY: New York  
 : STATE: New York  
 : ZIP: 10020-1104

COMPUTER READABLE FORM:  
 MEDIUM TYPE: floppy disk  
 FILE NAME: 08912768-3  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent Release #1.0, Version #1.25  
 COMPILED APPLICATION DATA:  
 : FILING DATE: 03/08/912.768  
 : CLASSIFICATION:  
 : PRIOR APPLICATION DATA:  
 : PARENT APPLICATION NUMBER: 08/415,774  
 : FILING DATE:  
 : ATTORNEY/AGENT INFORMATION:  
 : NAME: Haley Jr., James F94  
 : REFERENCE/DOCKET NUMBER: B179  
 : TELECOMMUNICATION INFORMATION:  
 : TELEPHONE: (212) 596-9000  
 : FAX: (212) 596-9000  
 : INFORMATION FOR SEQ ID NO: 3:  
 : SEQUENCE CHARACTERISTICS:  
 : LENGTH: 187 amino acids  
 : TYPE: amino acid  
 : TOPOLOGY:  
 : MOLECULE TYPE: protein

US-08-912-768-3  
 : Sequence 3, Application US/08912768  
 : Patent No. 6127332  
 : OTHER INFORMATION:  
 : APPLICANT: Goetz, Susan E  
 : APPLICANT: Cate, Richard L  
 : APPLICANT: Pepinsky, Blake R  
 : APPLICANT: Chien, Ching-Chang  
 : TITLE OF INVENTION: NO 6127332el Mutaisis of IFN-beta  
 : NUMBER OF SEQUENCES: 5  
 : CORRESPONDENCE ADDRESS: Haley, Jr  
 : STREET: Fish & Neave, 1251 Avenue of the Americas  
 : CITY: New York  
 : STATE: New York  
 : ZIP: 10020-1104

COMPUTER READABLE FORM:  
 MEDIUM TYPE: floppy disk  
 FILE NAME: 08912768-3  
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 SOFTWARE: Patent Release #1.0, Version #1.25  
 COMPILED APPLICATION DATA:  
 : FILING DATE: 03/08/912.768  
 : CLASSIFICATION:  
 : PRIOR APPLICATION DATA:  
 : PARENT APPLICATION NUMBER: 08/415,774  
 : FILING DATE:  
 : ATTORNEY/AGENT INFORMATION:  
 : NAME: Haley Jr., James F94  
 : REFERENCE/DOCKET NUMBER: B179  
 : TELECOMMUNICATION INFORMATION:  
 : TELEPHONE: (212) 596-9000  
 : FAX: (212) 596-9000  
 : INFORMATION FOR SEQ ID NO: 3:  
 : SEQUENCE CHARACTERISTICS:  
 : LENGTH: 187 amino acids  
 : TYPE: amino acid  
 : TOPOLOGY:  
 : MOLECULE TYPE: protein

Query Match 22 34; Score 245.5; DB 3; Length 187;  
 Best Local Similarity 32.94; Pred. No. 1,le-18;  
 Matches 68; Conservative 26; Mismatches 84; Indels 29; Gaps 5;  
 OY 7 MIOCKWLEIIMGIFATIGLSICNLL-----NWLRVYVWNLHSLSSNSPVC 59  
 DB 1 MTKWLOIALLCFSTALSNSYLLGLOFSSNFOCKLLAQ-----LNGREVC 52  
 OY 60 LKRNATFELPELQYQOMKDKKAFYNSLQATNSQYTFKY WEHRLKQIQGL 118  
 DB 53 LKRNATFELPELQYQOMKDKKAFYNSLQATNSQYTFKY WEHRLKQIQGL 118  
 OY 119 DQAKNFDIPEELQYQOMKDKKAFYNSLQATNSQYTFKY WEHRLKQIQGL 178  
 DB 113 YHOLNKLATVLEE-KLEKEDF-----TRKLNSSJHARYGRLTAAKEY 159  
 OY 179 SCWAMTVVRVRLNRYFVFNLTGYLR 205  
 DB 160 SCWAMTVVRVRLNRYFVFNLTGYLR 186

RESULT 9  
 US-08-912-768-3  
 : Patent No. 6127332  
 : APPLICANT: Sugano, Haruo; Muramatsu, Masami; Taniguchi, Tadatsugu  
 : TITLE OF INVENTION: DNA AND RECOMBINANT PLASMID  
 : NUMBER OF SEQUENCES: 3  
 : CORRESPONDENCE ADDRESS: Sugano, Haruo  
 : APPLICATION NUMBER: US/06/201,359  
 : FILING DATE: 27-OCT-1980  
 : SEQ ID NO:1:  
 : LENGTH: 187  
 5326859-1

Query Match 22 34; Score 245.5; DB 6; Length 187;  
 Best Local Similarity 32.94; Pred. No. 1,le-18;  
 Matches 68; Conservative 26; Mismatches 84; Indels 29; Gaps 5;  
 OY 7 MIOCKWLEIIMGIFATIGLSICNLL-----NWLRVYVWNLHSLSSNSPVC 59  
 DB 1 MTKWLOIALLCFSTALSNSYLLGLOFSSNFOCKLLAQ-----LNGREVC 52  
 OY 60 LKRNATFELPELQYQOMKDKKAFYNSLQATNSQYTFKY WEHRLKQIQGL 118  
 DB 53 LKRNATFELPELQYQOMKDKKAFYNSLQATNSQYTFKY WEHRLKQIQGL 118  
 OY 119 DQAKNFDIPEELQYQOMKDKKAFYNSLQATNSQYTFKY WEHRLKQIQGL 178  
 DB 113 YHOLNKLATVLEE-KLEKEDF-----TRKLNSSJHARYGRLTAAKEY 159  
 OY 179 SCWAMTVVRVRLNRYFVFNLTGYLR 205  
 DB 160 SCWAMTVVRVRLNRYFVFNLTGYLR 186

RESULT 10  
 US-08-249-671A-9  
 : Sequence 9, Application US/08249671A  
 : Patent No. 6711077  
 : OTHER INFORMATION:  
 : APPLICANT: Hauptmann, R.  
 : APPLICANT: Falkner, E.  
 : APPLICANT: Bodo, G.  
 : APPLICANT: Bodo, G.  
 : APPLICANT: Muirer-Pogy, I.  
 : TITLE OF INVENTION: Process for Preparing and Purifying  
 : alpha-Interferon  
 : CORRESPONDENCE ADDRESS:  
 : ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.  
 : STREET: 1100 New York Avenue, Suite 600  
 : CITY: Washington





